

DE 2654823 A

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High speed ink jet printer with nozzles along roller - has ink ejected
centrifugally through valve-controlled outlets

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Patent Family:

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Priority Applications (No Type Date): DE 2654823 A 19761203

Abstract (Basic): DE 2654823 A

High speed ink jet printing machine has spray nozzles(7) positioned spirally over the circumference and total width of a roller from which the ink is ejected by means of centrifugal force. The roller comprises several discs(3) arranged next to one another with each nozzle having its outlet controlled by an ink valve.

The valve comprises a magnetic needle valve(9) or at least one movable slide valve which is moved by being coupled to bilaminar piezoelectric bending elements. Two of these slide valves are usually provided facing one another across the nozzle outlet(7). The machine is able to print several lines simultaneously at high speed.

Title Terms: HIGH; SPEED; INK; JET; PRINT; NOZZLE; ROLL; INK; EJECT;
CENTRIFUGE; THROUGH; VALVE; CONTROL; OUTLET

Derwent Class: P75

International Patent Class (Additional): B41J-003/04

File Segment: EngPI